### CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD SAN FRANCISCO BAY REGION

ORDER NO. 89-037

SITE CLEANUP REQUIREMENTS FOR:

HEWLETT PACKARD
640 PAGE MILL RD.
PALO ALITO
SANTA CLARA COUNTY

STANFORD UNIVERSITY PALO ALTO SANTA CLARA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board), finds that:

- 1. Site Description Hewlett-Packard, hereinafter called a discharger, operated a manufacturing facility for gallium arsenide and silicon-based semiconductors from 1962 to 1986 at this site. The land is owned by Stanford University and has been leased by Hewlett-Packard since 1964. Hewlett-Packard is primarily responsible for this discharge and is hereinafter called a discharger for purposes of this Order. Stanford University is secondarily responsible for purposes of this Order.
- 2. Waste Discharge Requirements were adopted for this site on April 16, 1986. These requirements specified a schedule for site pollution characterization and interim remediation and for the preparation of a final cleanup plan.
- 3. Site Cleanup Requirements were adopted for the groundwater beneath the former Mayfield School site (Order No. 87-142 and No. 87-164). This Order names both Hewlett-Packard and Varian Associates as responsible for the groundwater pollution.
- 4. The site consists of two main buildings and a storage building, as shown on Attachment 1, Site Plan, hereinafter a part of this Order. The complex housed research and production facilities associated with Hewlett-Packard's Optoelectronics Division.
- 5. Hydrogeology The site is located on a series of overlapping alluvial fans deposited by east-flowing streams along the edge of the foothills of the Santa Cruz Mountains west of the site. Drilling data has shown that two major water-bearing zones are present in the upper 100 feet of sediments. These have been identified as the A and B zone. Downgradient of the former underground tank to El Camino Real, a thin semi-continuous zone of lower permeability material divides the A-zone into the A-l and A-zones.
- 6. <u>Site History</u> The subsurface soil and groundwater at this site are polluted with organic solvents believed to have leaked from an underground storage tank installed in 1967 for the collection of

waste solvents. Compounds stored in this tank included 1,1,1 trichlorethane (TCA), trichloroethylene (TCE), toluene, acetone, isopropanol and xylene and other chemicals. The tank and 100 cubic yards of soil were excavated in 1981.

7. Soil Investigation and Remediation Sixteen soil borings were constructed in the vicinity of the former tank in 1981. The results of this work confirmed that there had been a leak from the waste solvent tank.

A soil gas boring study was conducted during 1985. Twenty one borings were constructed and soil gas samples were analyzed. This work was conducted to determine the extent of the groundwater plume prior to the construction of groundwater monitoring wells.

In August of 1986, five soil borings were constructed adjacent to the former tank in order to determine the extent of chemicals remaining in the soil. This indicated that significant chemicals remained in the soil (3,100,000 ppb of TCE, 800,000 ppb of TCA, 370,000 ppb of PCE, 78,000 ppb of chlorobenzene). The discharger excavated 810 cubic yards of soil in 1987 at the former tank area. Approximately 325 cubic yards of this soil was disposed of as hazardous waste, the remaining 425 cubic yards was sampled in accordance with EPA "Test Methods for Evaluating Solid Waste", EPA Document SW-846 and determined to be non-hazardous and was used to backfill the excavation. The plans for soil excavation were submitted to, and approved by the staff.

8. Groundwater Investigations and Remediation A total of forty-seven groundwater monitoring wells have been constructed on and offsite. The primary contaminants detected on a regular basis in these monitoring wells are 1,1,1-trichloroethane (TCA), trichloroethylene (TCE), 1,1-dichloroethane (1,1-DCA), and 1,1-dichloroethylene (DCE). Chemicals in the A zone have migrated beyond El Camino Real and have been detected at the Oregon Expressway Underpass Dewatering System which is located approximately 2,900 feet from the former underground waste solvent tank.

As described in the "Data Report- Construction of New Off-Site Wells and Matadero Canal Sampling Results" dated December 22, 1986, groundwater investigations have completely defined the vertical and lateral extent of chemicals in groundwater from the former underground tank. This assessment was accepted by the staff in a letter dated February 4, 1987. The vertical extent of chemicals in the groundwater is the A-2 zone. The B-zone does not contain significant concentrations of chemicals. Downgradient of El Camino Real the definition of the Hewlett-Packard plume becomes difficult due to commingling of the plume with at least two chemical plumes from other sources. The downgradient extent of chemicals from the Hewlett-Packard site is the Oregon Expressway Underpass, located 2900 feet northeast of the former underground tank.

All conditions noted in the December 22 data report were based on available data at that time and may be modified based on investigations to be done pursuant to this Order.

Groundwater remediation at the source area has been performed since 1982. During seven months in 1982, groundwater was extracted from Well OlA. Groundwater extraction began again in February 1987 and has continued until the present at a rate of 10 gallons per minute. Groundwater remediation of groundwater in the A-1 zone beneath the former Mayfield School Site began in July 1988 and has continued to the present.

9. Adjacent Investigations The Hewlett-Packard site is bordered to the northwest by the Varian Associates, 601 California Avenue facility, which is currently under Regional Board Site Cleanup Requirements for groundwater pollution beneath and downgradient of their facility.

The former Mayfield School property is located immediately northeast of the Hewlett-Packard site. This site is also currently being investigated under Site Cleanup Requirements which require the remediation of total volatile organic compounds in groundwater at concentrations greater than or equal to 1 ppm. The intent of which is to control the migration of VOC's across El Camino Real.

Regional Board staff is currently investigating other possible sources to the commingled plume downgradient of El Camino Real. Site Cleanup Requirements will be drafted for these sources as they are discovered.

- 10. Work Plan The discharger submitted a work plan for the completion of a remedial investigation, feasibility study (RI/FS) on October 24, 1988, and a revised work plan on March 10, 1989.
- 11. The October 24 work plan submitted by the discharger is incomplete in that it does not include activities which need to be conducted in those portions of the plume of pollutants that have merged with pollutants from other sources, specifically the plume downgradient of El Camino Real.
- 12. Based on available information the Board believes that the discharger and the Varian Associates site located at 601 California Avenue are primarily responsible for the plume of merged pollutants downgradient of the two sites including the former Mayfield School site. The Board intends to issue Site Cleanup Requirements to the Varian site to also investigate and propose remedial measures for their entire pollutant plume, including the portion merged with pollutants from other sites. The Board encourages the discharger and Varian Associates to jointly investigate and propose remedial measures for the merged plume area. However, if a cooperative approach cannot be arranged the discharger is still expected to comply with this Order. The Board may modify this Order to add other sites in the future and

or supply information to the discharger for their cost recovery purposes.

In addition, it is the Board's intent to continue groundwater remediation at the former Mayfield School site as required in Order 87-142. However, this Order will supercede and rescind Order No. 87-142 and 87-164.

- 13. The Regional Board adopted a revised Water Quality Control Plan for the San Francisco Bay Region (Basin Plan) on December 17, 1986. The Basin Plan contains water quality objectives for South San Francisco Bay and contiguous surface and groundwaters.
- 14. The existing and potential beneficial uses of the groundwater underlying and adjacent to the dischargers facilities include:
  - a. Industrial process water supply
  - b. Industrial service supply
  - c. Agricultural supply
  - d. Municipal and domestic supply
- 15. The dischargers caused or permitted waste to be discharged or deposited where it is or probably will be discharged to waters of the State and creates or threatens to create a condition of pollution or nuisance.
- 16. This action is an Order to enforce the laws and regulations administered by the Board. This action is categorically exempt from the provisions of CEQA pursuant to Section 15321 of the Resources Agency Guidelines.
- 17. The Board has notified the dischargers and all interested agencies and persons of its intent under California Water Code Section 13304 to prescribe Site Cleanup Requirements for the discharges and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
- 18. The Board, at a public meeting, heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, pursuant to Section 13304 of the California Water Code, that the dischargers shall cleanup and abate the effects described in the above findings as follows:

#### A. PROHIBITIONS:

- The discharge of wastes or hazardous materials in a manner which will degrade water quality or adversely affect beneficial uses of the waters of the State is prohibited.
- 2. Further significant migration of pollutants through subsurface transport to waters of the State is prohibited.

3. Activities associated with the subsurface investigation and cleanup which will cause significant adverse migration of pollutants are prohibited.

#### B. SPECIFICATIONS:

- 1. The storage, handling, treatment or disposal of polluted soil or groundwater shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
- 2. Hewlett-Packard shall conduct monitoring activities as needed to define the local hydrogeological conditions, and the lateral and vertical extent of the soil and groundwater pollution. Should monitoring results show evidence of pollution migration, additional plume characterization of pollutant extent shall be required.

#### C. PROVISIONS:

- 1. Hewlett-Packard shall submit to the Board acceptable monitoring program reports containing results of work performed according to a program prescribed by the Board's Executive Officer.
- 2. Hewlett-Packard shall comply with this Order immediately upon adoption with the exception that the discharger shall comply with Prohibitions A.l., A.2., and A.3., and Specifications B.l. to B.2. as modified in accordance with the following time schedule and tasks listed below. Within sixty (60) days of the Executive Officer's determination and actual notice to Stanford University that the "primarily responsible" discharger under this Order has failed to comply with this Order, Stanford University, as landowner of the property at 640 Page Mill Road, shall itself then be responsible for complying with this Order.

#### COMPLETION DATE/TASK:

a. 1) COMPLETION DATE: April 18, 1989
TASK: BASELINE PUBLIC HEALTH EVALUATION
WORKPLAN Submit a technical report
acceptable to the Executive Officer
containing a workplan for the completion of a
baseline public health evaluation prepared in
accordance with the Superfund Baseline Public
Health Evaluation Manual (EPA 540/1-86-060,
October 1986).

2) COMPLETION DATE: September 1,1989
TASK: BASELINE PUBLIC HEALTH EVALUATION:
Submit a technical report acceptable to the
Executive Officer containing a baseline
public health evaluation prepared in
accordance with the Superfund Baseline Public
Health Evaluation Manual (EPA 540/1-86-060,
October 1986).

#### b. 1) COMPLETION DATE: July 7, 1989

TASK: WORK PIAN TO ADDRESS COMMINGIED PIUME
The discharger shall submit a technical
report acceptable to the Executive Officer
which contains a workplan for investigations
and remedial actions for that portion of the
pollutant plume originating from the
discharger's site; including the former
Mayfield School site, and groundwater
downgradient of El Camino Real which has
merged with pollutants from other sources.
This report shall also inform the Executive
Officer of the status of coordination of
these investigations and remedial actions
with Varian Corporation.

#### c. 1) COMPLETION DATE: June 22, 1989

TASK: EVALUATE INTERIM HYDRAULIC CONTAINMENT MEASURES: Submit a technical report acceptable to the Executive Officer which evaluates the effectiveness of the interim hydraulic containment system at the former Mayfield School site. Such an evaluation shall include, but need not be limited to, an estimation of the flow capture zone of the extraction wells, establishment of the cones of depression by field measurements, and presentation of chemical monitoring data.

#### d. 1) COMPLETION DATE: December 8, 1989

TASK: PROPOSED FINAL CLEANUP OBJECTIVES AND ACTIONS: Submit a technical report acceptable to the Executive Officer pursuant to the work plan described in Finding 10 as revised, and approved by the Executive Officer, and the work plan required by Provision C.2.b.1. of this Order, containing the results of the feasibility study evaluating alternative final remedial measures; and a separate technical report acceptable to the Executive Officer containing the recommended measures necessary to achieve final cleanup objectives; and the

tasks and time schedule necessary to implement the recommended final remedial measures.

The submittal of technical reports evaluating immediate, interim and final remedial measures will include a projection of the cost, effectiveness, benefits and impact on public health, welfare and environment of each alternative measure. The remedial investigation and feasibility study shall be consistent with the guidance provided by Subpart F of the National Oil and Hazardous Substances Pollution Contingency Plan (40 CFR Part 300); Section 25356.1 (c) of the California Health and Safety Code; CERCIA guidance documents with reference to Remedial Investigation, Feasibility Studies, and Removal Actions; and the State Water Resources Control Board's Resolution No. 68-16, "Statement of Policy with Respect to Maintaining High Quality of Waters in California".

- 3. If the dischargers are delayed, interrupted or prevented from meeting one or more of the completion dates specified in this Order, the dischargers shall promptly notify the Executive Officer and the Board may consider revision to this Order.
- Technical reports on compliance with the Prohibitions, 4. Specifications, and Provisions of this Order shall be submitted monthly to the Board commencing with the report due April 17, 1989 monitoring the previous months activities. On a monthly basis thereafter, these reports shall consist of a letter report that, (1) summarizes work completed since submittal of the previous report, and work projected to be completed by the time of the next report, (2) identifies any obstacles which may threaten compliance with the schedule of this Order and what actions are being taken to overcome these obstacles, and (3) includes, in the event of non-compliance with Provision C.2. or any other Specification or Provision of this Order, written notification which clarifies the reasons for non-compliance and which proposes specific measures and a schedule to achieve compliance. This written notification shall identify work not completed that was projected for completion, and shall identify the impact of non-compliance on achieving compliance with the remaining requirements of this Order.

On a quarterly basis, commencing with the report due April 17, 1989 the quarterly reports shall include, but need not be limited to, updated water table and piezometric surface maps for all affected water bearing zones, cross-sectional geological maps describing the hydrogeological setting of the site, and appropriately scaled and detailed base maps showing the location of all monitoring wells and extraction wells, and identifying adjacent facilities and structures.

- 5. The dischargers shall submit to the Board technical reports acceptable to the Executive Officer containing Site Safety Plans, and Site Sampling Plans. Additionally, as required, the discharger shall submit data packages for the purpose of data validation.
- 6. All hydrogeological plans, specifications, reports, and documents shall be signed by or stamped with the seal of a registered geologist, engineering geologist or professional engineer. This requirement shall not apply to monthly reports and quarterly progress reports provided the hydorgeological information contained in these reports has been submitted or is scheduled for submittal by a registered geologist, engineering geologist, or professional engineer.
- 7. All samples shall be analyzed by State certified laboratories or laboratories accepted by the Board using approved EPA methods for the type of analysis to be performed. All laboratories shall maintain quality assurance/quality control records for Board review.
- 8. The dischargers shall maintain in good working order, and operate as efficiently as possible, any facility or control system installed to achieve compliance with the requirements of this Order.
- 9. Copies of all correspondence, reports, and documents pertaining to compliance with the Prohibitions, Specifications, and Provisions of this Order, shall be provided to the following agencies:
  - a. Santa Clara Valley Water District
  - b. Santa Clara County Health Department
  - c. City of Palo Alto
  - d. State Department of Health Services/TSCD
  - e. U. S. Environmental Protection Agency, Region IX T45

The Executive Officer may additionally require copies of correspondence, reports and documents pertaining to compliance with the Prohibitions, Specifications, and Provisions of this Order to be provided to a local repository for public use and for compilation of an Administrative Record.

- 10. The dischargers shall permit the Board or its authorized representative, in accordance with Section 13267(c) of the California Water Code:
  - a. Entry upon premises in which any pollution sources exist, or may potentially exist, or in which any required records are kept, which are relevant to this Order.

- b. Access to copy any records required to be kept under the terms and conditions of this Order.
- c. Inspection of any monitoring equipment or methodology implemented in response to this Order.
- d. Sampling of any groundwater or soil which is accessible, or may become accessible, as part of any investigation or remedial action program undertaken by the discharger.
- 11. The dischargers shall file a report on any changes in site occupancy and ownership associated with the facility described in this Order within 60 days of said changes.
- If any hazardous substance is discharged in or on any waters 12. of the state, or discharged and deposited where it is or probably will be discharged in or on any waters of the state, the dischargers shall report such discharge to this Regional Board, at (415) 464-1255 on weekdays during office hours from 8 a.m. to 5 p.m., and to the Office of Emergency Services at (800) 852-7550 during non-business hours. A written report shall be filed with the Regional Board within five (5) working days and shall contain information relative to: the nature of waste or pollutant, quantity involved, duration of incident, cause of spill, Spill Prevention, Control, and Countermeasure Plan (SPCC) in effect, if any, estimated size of affected area, nature of effects, corrective measures that have been taken or planned, and a schedule of these activities, and persons/agencies notified.
- 13. The Board will review this Order periodically and may revise the requirements when necessary.
- 14. Regional Board Orders No. 86-27 and 87-142 and 87-164 are hereby rescinded.

I, Steven R. Ritchie Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on March 15, 1989.

Steven R. Ritchie Executive Officer

## CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD SAN FRANCISCO BAY REGION

# HEWLETT-PACKARD 640 PAGE MILL ROAD FACILITY GROUNDWATER SELF-MONITORING PROGRAM

#### A. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a waste discharger's monitoring program, also referred to as a self-monitoring program, are: (1) To document compliance with waste discharge requirements and prohibitions established by this Regional Board, (2) To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge, (3) To develop or assist in the development of effluent or other limitations, discharger prohibitions, national standards of performance, pretreatment and toxicity standards, and other standards, and (4) To prepare water and wastewater quality inventories.

#### B. SAMPLING AND ANALYTICAL METHODS

Sample collection, storage, and analyses shall be performed according to the EPA Method 8000 series described in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods", dated November 1986; or other methods approved and specified by the Executive Officer of this Regional Board.

#### C. REPORTS TO BE FILED WITH THE REGIONAL BOARD

#### 1. Violations of Requirements

In the event the discharger is unable to comply with the conditions of the site cleanup requirements and prohibitions due to:

- a. maintenance work, power failures, or breakdown of waste treatment equipment, or
- b. accidents caused by human error or negligence, or
- c. other causes such as acts of nature, or
- d. poor operation or inadequate system design.

The discharger shall file a written technical report at least 15 days prior to advertising for bid on any construction project which would cause or aggravate the discharge of waste in violation of requirements; said report shall describe the nature, costs and scheduling of all action necessary to preclude such discharge.

In addition, if the noncompliance caused by items (a), (b), (c) or (d) above is with respect to any of the order's limits, the waste discharger shall promptly accelerate the monitoring program to monthly or as required by the Board's Executive Officer for those constituents which have been violated. Such analysis shall continue until such time as the effluent limits have been attained, or until such time as the Executive Officer determines to be appropriate. The results of such monitoring shall be included in the regular Self-Monitoring Report.

#### 2. Bypass Reports

Bypass reporting shall be an integral part of the regular monitoring program report. A report on bypassing of untreated units shall be made which will include cause, time and date, duration and estimated volume bypassed, method used in estimating volume, and persons and agencies notified. Notification to the Regional Board shall be made immediately by telephone (415-464-1255), followed by a written account within 15 days.

#### 3. <u>Self-Monitoring</u> Reports

#### a. Reporting Period:

(1). Written reports shall be filed regularly each quarter within forty-five days from the end of the quarter monitored.

#### b. Letter of Transmittal:

A letter transmitting self-monitoring reports shall accompany each report. Such a letter shall include a discussion of requirement violations found during the reporting period and actions taken or planned for correcting any requirement violation. If the discharger has previously submitted a detailed time schedule for correcting requirement violations, a reference to this correspondence will be satisfactory. Monitoring reports and the letter transmitting reports shall be signed by either a principal executive officer or his duly authorized employee. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

#### c. Data Results:

(1). Results from each required analysis and observation shall be submitted in the quarterly self-monitoring regular reports. Results from compliance points listed in the Order shall also be submitted in the monthly report. All chromatographic peaks for purgeable halocarbons and/or volatile organics shall be identified and quantified in the quarterly and monthly regular reports, if a peak is identified in two consecutive samples. A GC/MS analysis shall be performed and all peaks identified and reported on each well according to Table 1 and on each new well

immediately after installation and well development. Results shall also be submitted for any additional analyses performed by the dischargers at the specific request of the Board for parameters for which effluent limits have been established and provided to the dischargers by the Board.

- (2). The quarterly and, if noncompliance occurs, the monthly reports shall include a discussion of unexpected operational changes which could affect performance of the extraction system, such as flow fluctuations, maintenance shutdown, etc.
- (3). The quarterly report shall also identify the analytical procedures used for analyses either directly in the report or by reference to a standard plan accepted by the Executive Officer. Any special methods shall be identified and should have prior approval of the Board's Executive Officer.
- (4). Hewlett-Packard shall describe, in the quarterly SMR, the reasons for significant increases in a pollutant concentration at a well onsite. The description shall include:
  - 1). the source of the increase,
  - 2). how Hewlett-Packard determined or will investigate the source of the increase, and
  - 3). What source removal measures have been completed or will be proposed.
- (5). Original lab results shall be retained and shall be made available for inspection for three years after origination or until after all continuing or impending legal or administrative actions are resolved.
- (6). A map shall accompany the quarterly report, showing all sampling locations.
- (7). Hewlett-Packard shall describe in the quarterly monitoring report the effectiveness of the actions taken to regain compliance if compliance is not achieved. The effectiveness evaluation shall include the basis of determining the effectiveness, water surface elevations for each well used to determine water surface elevation contours and water quality data.
- (8). The annual report shall be combined with the fourth quarter regular report and shall include cumulative data for the current year. The annual report for December shall also include minimum, maximum, median and average water quality data for the year.

#### d. SMP Revisions:

Additional long term or temporary changes in the sample collection frequency and routine chemical analysis may become warranted as monitoring needs change. These changes shall be based on the following criteria and shall be proposed in a quarterly SMR. The changes shall be implemented no earlier than 45 days after self-monitoring report is submitted for review or not at all if the proposal is found to be unacceptable.

#### Criteria for SMP revision:

- (1). Discontinued analysis for a routine chemical parameter for a specific well after a one-year period of below detection limit values for that parameter.
- (2). Changes in sampling frequency for a specific well after a one-year period of below detection limit values for all chemical parameters from that well.
- (3). Temporary increases in sampling frequency or changes in requested chemical parameters for a well or group of wells because of a change in data needs (e.g., evaluating groundwater extraction effectiveness or other remediation strategies).

## D. <u>DESCRIPTION OF SAMPLING STATIONS</u> Groundwater

Stations

Description

Listed in Table 1

Monitoringwells, observation wells, and extraction wells.

#### E. SCHEDULE OF SAMPLING AND ANALYSIS

The schedule of sampling and analysis shall be given in Table 1.

- I, Steve R. Ritchie, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:
  - 1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data established in Regional Board Order No. 89-037.
  - 2. Is effective on the date shown below.

3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the dischargers and revisions will be ordered by the Executive Officer.

Steven R. Ritchie Executive Officer

Effective Date: March 15, 1989

Attachments: Table 1

# TABLE 1 SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS

SAMPLING STATIO >>> O6 O7 O9 O10 O11 O47 F21 F22 F26 F32 F40 F41 F46		
TYPE OF SAMPLE		
Flow Rate (gal/day)		
pH (units)		
Temperature (deg. C)		
EPA 8010 for:  purgeable priority  pollutants	Q	
GC/MS Scan(EPA 8240)	1/Y*	

#### LEGEND FOR TABLE 1

G = grab sample

D = once each day

M = once each month

Q = quarterly, once in February, May, August and November

M/Q = monthly for three months at startup of operation; reduced to quarterly thereafter

<sup>2/</sup>Y = Once in March and once in September

<sup>1/</sup>Y =once per year

<sup>\*</sup> EPA 8010 not required for months when EPA 8240 is performed.

# TABLE 1 SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS (Continued)

SAMPLING STATION >>  032 04 05 F23 024 F33 F37 F43		
TYPE OF SAMPLE	G	
Flow Rate (gal/day)	میں میں ہوں اپنیا بنان بنان بنان کے دور بہار بنیہ میں اپنی میں اپنی میں میں ہوں ہوں ہوں ہوں بہار بنان کی گیا گ میں میں اپنیا کی اپنیا کی دور بہار بنیا میں اپنیا ہوں اپنیا میں اپنیا ہوں اپنیا کی اپنیا کی اپنیا کی اپنیا ہوں	
pH (units)		
Temperature (deg. C)		
EPA 8010 for:  purgeable priority  pollutants	2/Y	
GC/MS Scan(EPA 8240)	1/Y*	

#### LEGEND FOR TABLE 1

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G = grab sample

D = once each day

M = once each month

Q = quarterly, once in February, May, August, and November

M/Q = monthly for three months at startup of operation; reduced to quarterly thereafter

<sup>2/</sup>Y = Once in March and once in September

<sup>1/</sup>Y =once per year

<sup>\*</sup> EPA 8010 not required for months when EPA 8240 is performed.